

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1626gms

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available
in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer
available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS
databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPLUS
NEWS 22 FEB 05 German (DE) application and patent publication number format
changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 06:52:23 ON 26 FEB 2004

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 06:52:38 ON 26 FEB 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 FEB 2004 HIGHEST RN 654050-72-3

DICTIONARY FILE UPDATES: 24 FEB 2004 HIGHEST RN 654050-72-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

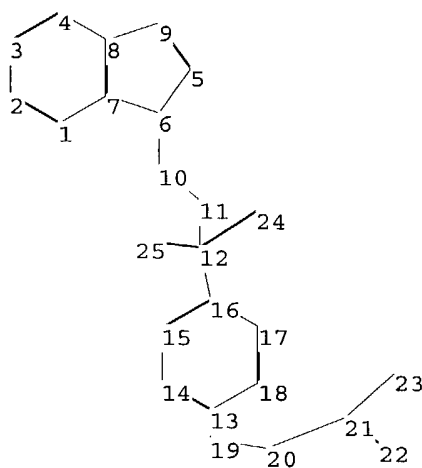
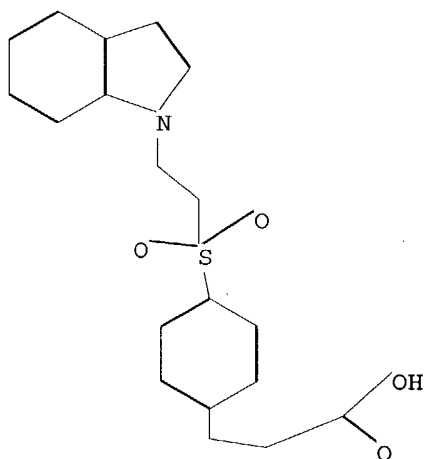
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\09677021.str



```

chain nodes :
10 11 12 19 20 21 22 23 24 25
ring nodes :
1 2 3 4 5 6 7 8 9 13 14 15 16 17 18
chain bonds :
6-10 10-11 11-12 12-16 12-24 12-25 13-19 19-20 20-21 21-22 21-23
ring bonds :
1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17
17-18
exact/norm bonds :
5-6 6-7 6-10 11-12 12-16 12-24 12-25
exact bonds :
5-9 8-9 10-11 13-19 19-20 20-21
normalized bonds :
1-2 1-7 2-3 3-4 4-8 7-8 13-14 13-18 14-15 15-16 16-17 17-18 21-22
21-23
isolated ring systems :
containing 1 : 13 :
```

Match level :

```

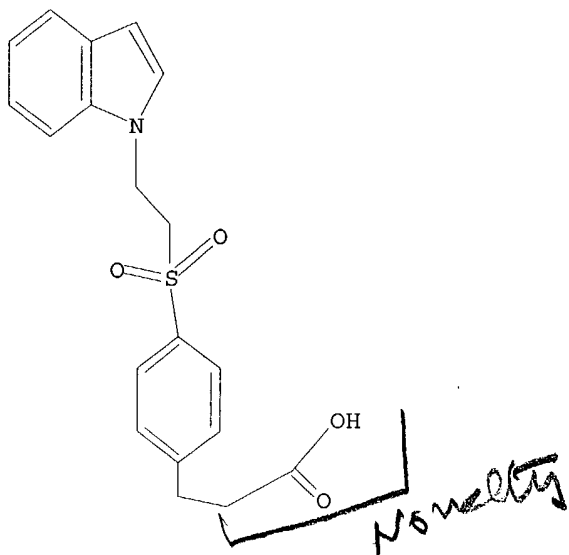
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
```

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 06:52:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 06:53:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 61 TO ITERATE

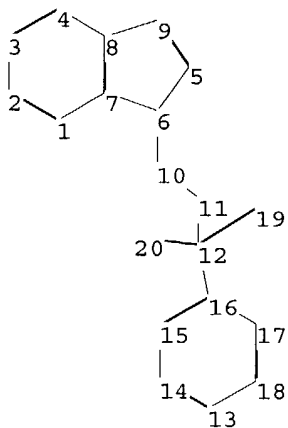
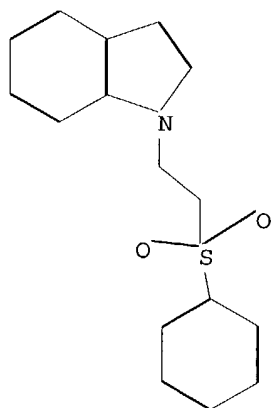
100.0% PROCESSED 61 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

L3 0 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\09677021a.str



chain nodes :

10 11 12 19 20

ring nodes :

1 2 3 4 5 6 7 8 9 13 14 15 16 17 18

chain bonds :

6-10 10-11 11-12 12-16 12-19 12-20

ring bonds :

1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17 17-18

exact/norm bonds :

5-6 6-7 6-10 11-12 12-16 12-19 12-20

exact bonds :

5-9 8-9 10-11

normalized bonds :

1-2 1-7 2-3 3-4 4-8 7-8 13-14 13-18 14-15 15-16 16-17 17-18

isolated ring systems :

containing 1 : 13 :

Match level :

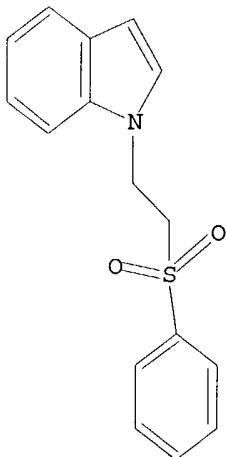
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS

L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 06:54:14 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 11 TO 389
 PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s l4 sss full

FULL SEARCH INITIATED 06:54:22 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 186 TO ITERATE

100.0% PROCESSED 186 ITERATIONS
 SEARCH TIME: 00.00.01

16 ANSWERS

L6 16 SEA SSS FUL L4

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	311.26	311.47

FILE 'CAPLUS' ENTERED AT 06:54:33 ON 26 FEB 2004
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FILE COVERS 1907 - 26 Feb 2004 VOL 140 ISS 9
FILE LAST UPDATED: 25 Feb 2004 (20040225/ED)

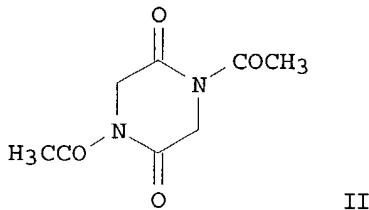
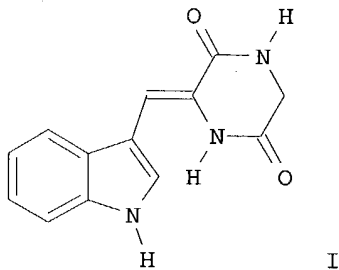
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16
L7

7 L6

=> d 17 ibib abs hitstr tot

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:713297 CAPLUS
DOCUMENT NUMBER: 138:4442
TITLE: Synthesis of the diketopiperazine dipodazine
AUTHOR(S): Johnson, Ann-Louise; Janosik, Tomasz; Bergman, Jan
CORPORATE SOURCE: Unit for Organic Chem., Dept. of Biosciences,
Karolinska Inst., Huddinge, SE-141 57, Swed.
SOURCE: ARKIVOC (Gainesville, FL, United States) [online
computer file] (2002), (8), 57-61
CODEN: AGFUAR
URL: <http://www.arkat-usa.org/ark/journal/2002/Padwa/A-P-504H/AP-504H.pdf>
PUBLISHER: Arkat USA Inc.
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:4442
GI



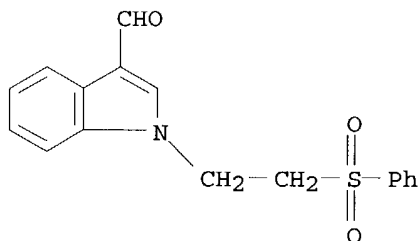
AB The diketopiperazine derivative dipodazine (I), isolated from *Penicillium dipodomyis*, has been synthesized via a stereoselective aldol condensation from N-protected indole-3-carboxaldehyde and 1,4-diacetyl-2,5-piperazinedione (II) in the presence of cesium carbonate.

IT 477251-70-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of the diketopiperazine dipodazine)

RN 477251-70-0 CAPLUS

CN 1H-Indole-3-carboxaldehyde, 1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



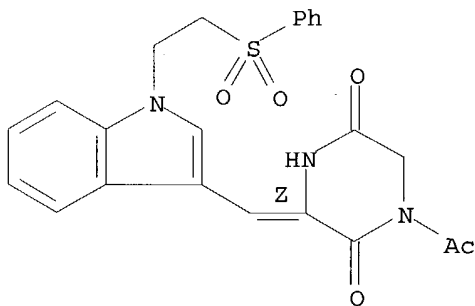
IT 477251-71-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of the diketopiperazine dipodazine)

RN 477251-71-1 CAPLUS

CN 2,5-Piperazinedione, 1-acetyl-3-[[1-[2-(phenylsulfonyl)ethyl]-1H-indol-3-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:517335 CAPLUS

DOCUMENT NUMBER: 138:73142

TITLE: N-H Insertion reactions of rhodium carbenoids. Part 3.
The development of a modified Bischler indole
synthesis and a new protecting-group strategy for
indolesAUTHOR(S): Bashford, Katherine E.; Cooper, Anthony L.; Kane,
Peter D.; Moody, Christopher J.; Muthusamy,
Sendogagounder; Swann, ElizabethCORPORATE SOURCE: School of Chemistry, University of Exeter, Exeter, EX4
4QD, UKSOURCE: Journal of the Chemical Society, Perkin Transactions 1
(2002), (14), 1672-1687

CODEN: JCSPCE; ISSN: 1472-7781

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:73142

AB A modified version of the Bischler indole synthesis has been developed in which the key step is the N-H insertion reaction of rhodium carbene intermediates derived from α -diazo- β -keto esters with anilines. Thus N-methylanilines react with diazo keto esters in the presence of dirhodium(II) acetate to give (N-arylamino) ketones, cyclization of which using boron trifluoride-Et acetate or acidic ion exchange resin gives indoles. In order to extend this method to the synthesis of N-unsubstituted indoles, a new protecting group strategy for indoles was developed. In this, anilines are reacted with α,β -unsatd. esters or sulfones to give the conjugate addition products, cyclization of which gives N-protected indoles. The N-(2-ethoxycarbonyl)ethyl- and N-(2-sulfonyl)ethyl- protecting groups are readily removed from these indoles by treatment with base.

IT 413608-65-8P 413608-66-9P 413608-69-2P

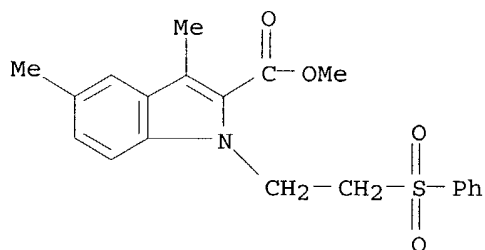
413608-72-7P 480996-95-0P 480996-96-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(a modified Bischler indole synthesis and a new protecting-group strategy for indoles)

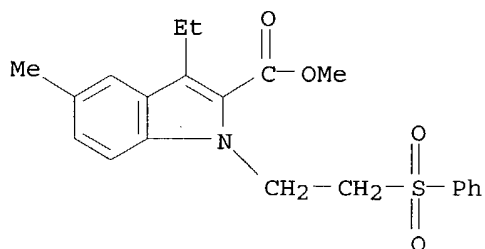
RN 413608-65-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



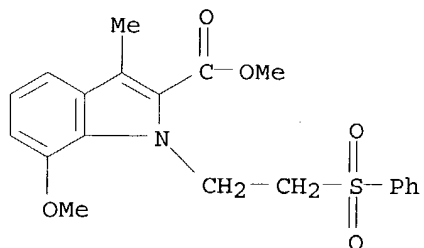
RN 413608-66-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-ethyl-5-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



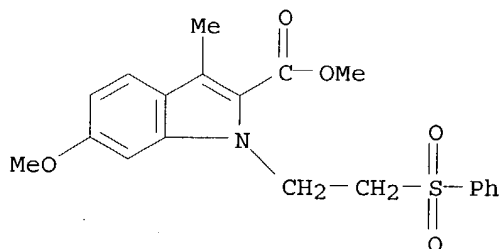
RN 413608-69-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 7-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



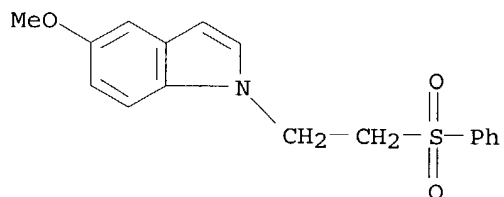
RN 413608-72-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



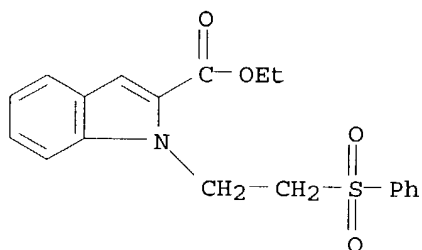
RN 480996-95-0 CAPLUS

CN 1H-Indole, 5-methoxy-1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



RN 480996-96-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 1-[2-(phenylsulfonyl)ethyl]-, ethyl ester (9CI) (CA INDEX NAME)

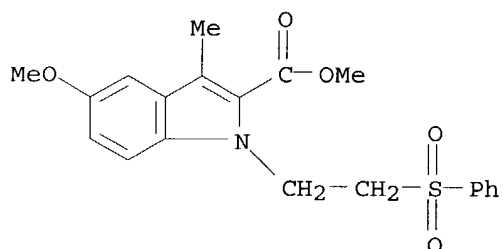
IT 413608-67-0P 413608-68-1P 413608-70-5P
413608-71-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(a modified Bischler indole synthesis and a new protecting-group strategy for indoles)

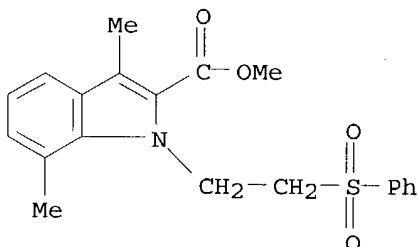
RN 413608-67-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



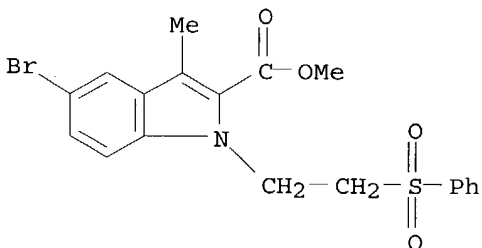
RN 413608-68-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,7-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



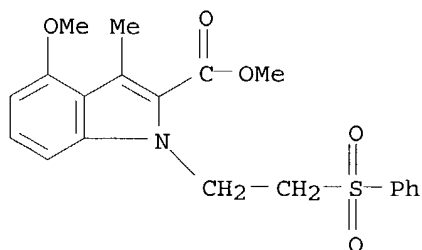
RN 413608-70-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-71-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:487554 CAPLUS
 DOCUMENT NUMBER: 137:47115
 TITLE: New process for the preparation of the anti-migraine drug, eletriptan
 INVENTOR(S): Ogilvie, Ronald James
 PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
 SOURCE: PCT Int. Appl., 17 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050063	A1	20020627	WO 2001-IB2338	20011206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003166704	A1	20030904	US 2001-54727	20011113
AU 2002018440	A5	20020701	AU 2002-18440	20011206
BR 2001016324	A	20031014	BR 2001-16324	20011206
EP 1373254	A1	20040102	EP 2001-271106	20011206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRIORITY APPLN. INFO.:			GB 2000-31094	A 20001220
			US 2001-260752P	P 20010110
			WO 2001-IB2338	W 20011206
OTHER SOURCE(S):			CASREACT 137:47115	
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The present invention is concerned with an improved process for the preparation of the anti-migraine drug, (R)-5-(2-benzenesulfonylethyl)-3-(N-

methylpyrrolidin-2-ylmethyl)-1H-indole (eletriptan) (I; R = H), available com. as the hydrobromide salt, and with an intermediate and dimer-free products (e.g. II) obtained thereby. This process comprises coupling of Ph vinyl sulfone with 5-bromoindole derivative (III) in the presence of a palladium catalyst, a triarylphosphine, and a base, catalytic hydrogenation of the resulting 5-(2-phenylsulfonylvinyl)indole intermediate (IV) using hydrogen or hydrogen source in the presence of a suitable catalyst such as palladium on carbon, Raney nickel, platinum, rhodium, or ruthenium, and hydrolysis of the resulting precursor, i.e. N-acetyeletriptan I (R = Ac).

IT 438226-83-6P

RL: BYP (Byproduct); PREP (Preparation)

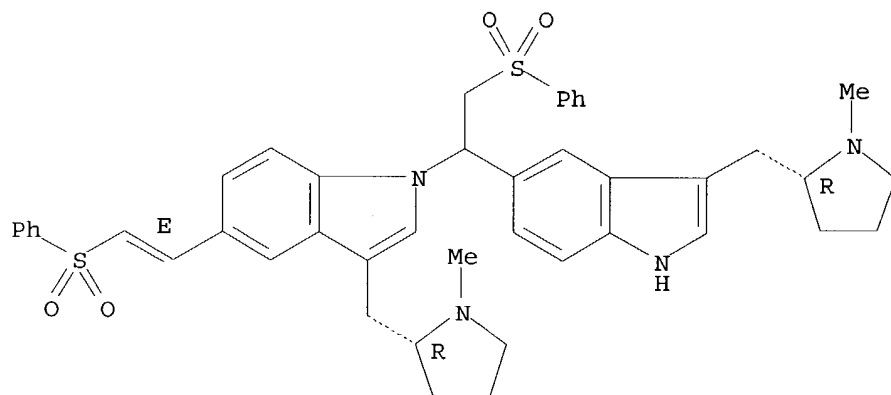
(preparation of anti-migraine drug, eletriptan, by catalytic hydrogenation of (R)-1-acetyl-5-(2-benzenesulfonylethenyl)-3-(N-methylpyrrolidin-2-ylmethyl)-1H-indole in presence of palladium on carbon followed by hydrolysis)

RN 438226-83-6 CAPLUS

CN 1H-Indole, 3-[[[(2R)-1-methyl-2-pyrrolidinyl]methyl]-1-[1-[3-[[[(2R)-1-methyl-2-pyrrolidinyl]methyl]-1H-indol-5-yl]-2-(phenylsulfonyl)ethyl]-5-[(1E)-2-(phenylsulfonyl)ethenyl]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:905624 CAPLUS

DOCUMENT NUMBER: 136:325387

TITLE: A new protecting-group strategy for indoles

AUTHOR(S): Bashford, Katherine E.; Cooper, Anthony L.; Kane, Peter D.; Moody, Christopher J.

CORPORATE SOURCE: University of Exeter, School of Chemistry, Exeter, EX4 4QD, UK

SOURCE: Tetrahedron Letters (2001), Volume Date 2002, 43(1), 135-137

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 136:325387

AB The 2-phenylsulfonylethyl group is a useful alkyl protecting group for nitrogen during indole synthesis; it is readily removed from the indole

nitrogen under basic conditions.

IT 413608-65-8P 413608-66-9P 413608-69-2P

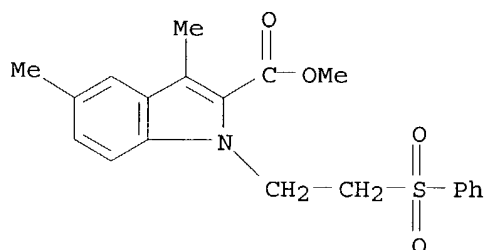
413608-72-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(the 2-phenylsulfonyl ethyl protective group for nitrogen in indole synthesis)

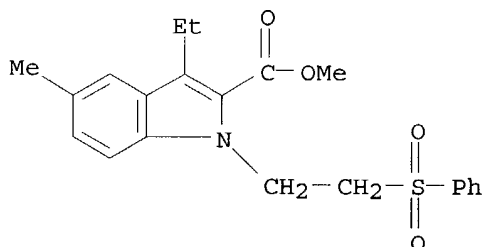
RN 413608-65-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



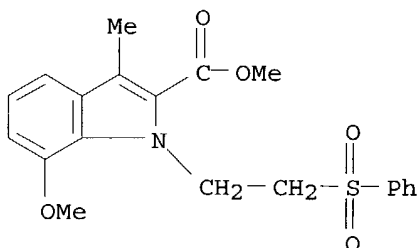
RN 413608-66-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-ethyl-5-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



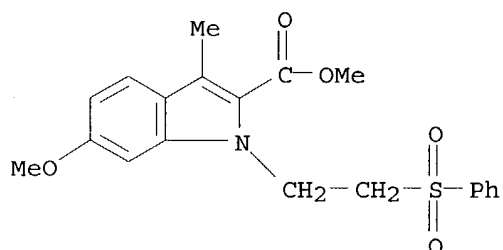
RN 413608-69-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 7-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-72-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

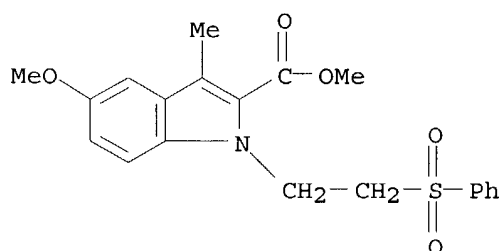


IT 413608-67-0P 413608-68-1P 413608-70-5P
413608-71-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(the 2-phenylsulfonyl ethyl protective group for nitrogen in indole synthesis)

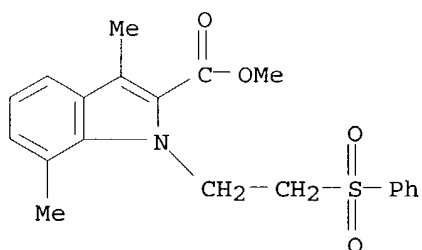
RN 413608-67-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



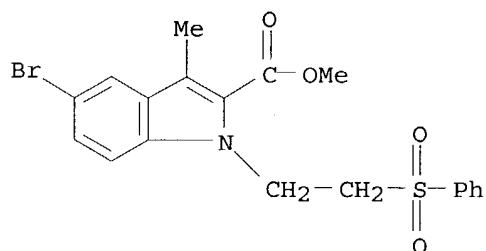
RN 413608-68-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3,7-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



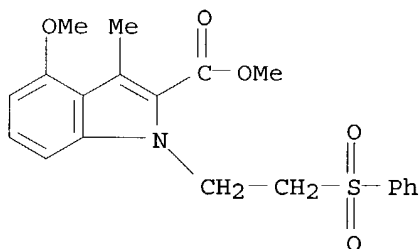
RN 413608-70-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-71-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:583011 CAPLUS

DOCUMENT NUMBER: 115:183011

TITLE: Sulfenylation of some pyrroles and indoles

AUTHOR(S): Gilow, Helmuth M.; Brown, Christopher S.; Copeland, John N.; Kelly, Keith E.

CORPORATE SOURCE: Chem. Dep., Rhodes Coll., Memphis, TN, 38112, USA

SOURCE: Journal of Heterocyclic Chemistry (1991), 28(4), 1025-34

CODEN: JHTCAD; ISSN: 0022-152X

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Methylsulfenylation of 1-substituted pyrroles and indoles was observed using 1-(methylthio)morpholine and an acid catalyst or with methylsulfenyl chloride and excess pyridine. 1-Substituents which are activating or weakly deactivating towards electrophilic substitution such as alkyl, 2-cyanoethyl, dimethylamino, trialkylsilyl, 2-chloroethyl and 2-phenylsulfonyl groups were used. The 2-chloroethyl and 2-phenylsulfonyl groups which can be removed with a strong base can be used to obtain 1H-methylthiopyrroles and indoles. 1-Phenylsulfonyl and 1-acetyl substituents are too strongly deactivating for these sulfenylations to be successful. Mono- and disubstituted pyrroles and monosubstituted indoles can be isolated from these reactions, however, because the methylthio group is activating towards electrophilic substitution the main advantage of these reactions is the synthesis of tri- and tetrasubstituted pyrroles and disubstituted indoles. 1-Methyl-2,3,4,5-tetrakis(methylthio)pyrrole and 1-methyl-2,3-bis(methylthio)indole are oxidized to the corresponding 3,4-disulfoxide and 3-sulfoxide and with excess oxidizing agent to the tetrasulfone and

02/26/2004

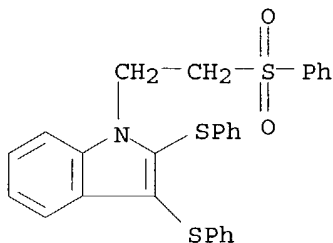
disulfone, resp.

IT **136506-30-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and deblocking of)

RN 136506-30-4 CAPLUS

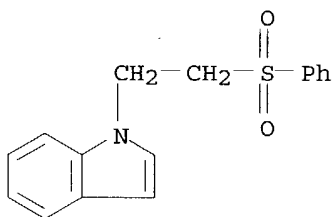
CN 1H-Indole, 1-[2-(phenylsulfonyl)ethyl]-2,3-bis(phenylthio)- (9CI) (CA
INDEX NAME)

IT **136506-29-1P**, 1-(2-Phenylsulfonyl)ethylindole

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and sulfenylation of)

RN 136506-29-1 CAPLUS

CN 1H-Indole, 1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1982:199522 CAPLUS

DOCUMENT NUMBER: 96:199522

TITLE: Acylindole derivatives

PATENT ASSIGNEE(S): Teijin Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

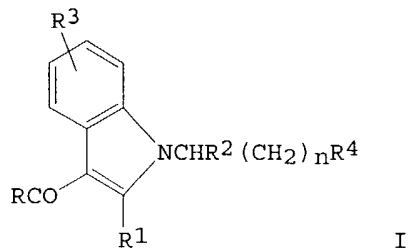
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57004971	A2	19820111	JP 1980-78305	19800612
PRIORITY APPLN. INFO.:			JP 1980-78305	19800612

GI



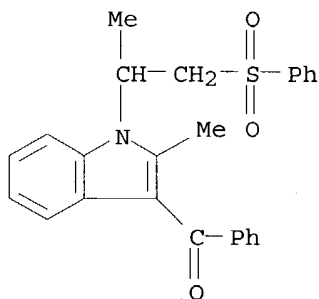
AB Twenty-one acylindole derivs. I [R = (un)substituted Ph; R1 = H, alkyl; R2 = alkyl; R3 = H, OH, halo, alkyl, alkoxy; R4 = S(O)m R5; R5 = H, alkyl, (un)substituted Ph, heterocycle; n = 1-10; m = 0-2] were prepared. I had platelet aggregation inhibitory activity (data given). Thus, a mixture of 586 mg I (R = Ph, R1 = R2 = Me, R3 = H, R4 = OH, n = 1), 732 mg EtSSEt, and 1.5 mL Bu3P in pyridine was stirred 16 h at room temperature and 8 h at 50° to give 77% I (R = Ph, R1 = R2 = Me, R3 = H, R4 = SEt, n = 1).

IT 77993-46-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and platelet aggregation inhibitor activity of)

RN 77993-46-5 CAPLUS

CN Methanone, [2-methyl-1-[1-methyl-2-(phenylsulfonyl)ethyl]-1H-indol-3-yl]phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1981:424812 CAPLUS

DOCUMENT NUMBER: 95:24812

TITLE: Acylated indole derivatives

INVENTOR(S): Oba, Takeo; Tanaka, Toshio; Okamura, Noriaki;
Watanabe, Kenzo; Bannai, Kiyoshi; Ohtsu, Akira;
Naruchi, Tatsuyuki; Kurozumi, Seizi; Toru, Takeshi

PATENT ASSIGNEE(S): Teijin Ltd., Japan

SOURCE: Eur. Pat. Appl., 145 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 22634	A1	19810121	EP 1980-302180	19800627

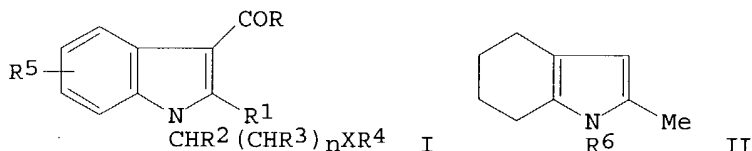
EP 22634	B1	19830406		
R: DE, FR, GB, IT, SE				
JP 56007762	A2	19810127	JP 1979-80802	19790628
JP 62033225	B4	19870720		
JP 56039068	A2	19810414	JP 1979-112755	19790905
JP 56051452	A2	19810509	JP 1979-126725	19791003
JP 62041499	B4	19870903		
JP 56063960	A2	19810530	JP 1979-138644	19791029
JP 62041500	B4	19870903		
JP 56108765	A2	19810828	JP 1980-8354	19800129
JP 62041590	B4	19870903		

PRIORITY APPLN. INFO.:

	JP 1979-80802	19790628
	JP 1979-112755	19790905
	JP 1979-126725	19791003
	JP 1979-138644	19791029
	JP 1980-8354	19800129

OTHER SOURCE(S): CASREACT 95:24812

GI



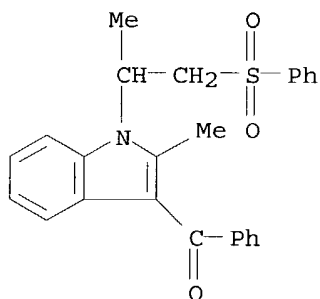
AB Indoles I (R = optionally substituted Ph, thienyl; R1, R3 = H, alkyl; R2 = alkyl; R4 = H, alkyl, acyl, optionally substituted Ph, heterocyclic; R5 = H, OH, halogen, alkyl, alkoxy; X = bond, O, S, SO, SO2; n = 0-10) were prepared. Thus 2-acetonilcyclohexanone was condensed with H2NCHMeCO2Et.HCl to give II (R6 = CHMeCO2Et) which was reduced to the alc. and esterified to II (R6 = CHMeOAc). The latter compound was benzoylated with Bz2O and HI, followed by aromatization, to give I (R = Ph, R1 = R2 = Me, R4 = Ac, R5 = H, X = O, n = 0) (III). III had a blood platelet aggregation-inhibiting ED50 of 0.075 μ /mL.

IT **77993-46-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 77993-46-5 CAPLUS

CN Methanone, [2-methyl-1-[1-methyl-2-(phenylsulfonyl)ethyl]-1H-indol-3-yl]phenyl- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

34.61

346.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.85

-4.85

STN INTERNATIONAL LOGOFF AT 06:56:37 ON 26 FEB 2004